Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/01/2019 11:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125018	0	1.32	125025	1.32
Blue	F	SSC	125000	123644	-2	2.41	124462	2.52
Blue	E	FITC	16694	16493	-2	3.23	384	23.17
Blue	D	PE	32792	32185	-2	2.26	709	16.33
Blue	B	PerCP-Cy5-5	44451	44172	-1	4.32	1214	24.04
Blue	A	PE-Cy7	33645	33542	-1	6.88	608	50.15
Red	C	APC	47008	45771	-3	2.94	1773	13.76
Red	A	APC-Cy7	32298	31616	-3	2.72	792	14.02
Violet	B	V450	8961	8633	-4	4.16	494	15.06
Violet	A	V500	32726	31535	-4	3.83	764	12.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20220	4.35	610	-3	N/A	N/A	Pass
Blue	F	SSC	55730	1.74	580	12	N/A	N/A	Pass
Blue	E	FITC	64	81.03	567	4	0.0145	277	Pass
Blue	D	PE	142	57.74	571	5	0.1321	305	Pass
Blue	B	PerCP-Cy5-5	224	59.70	677	6	0.0067	78	Pass
Blue	A	PE-Cy7	120	129.73	733	7	0.0084	41	Pass
Red	C	APC	402	29.38	614	1	0.0178	106	Pass
Red	A	APC-Cy7	196	33.36	587	2	0.0049	1913	Pass
Violet	B	V450	79	71.08	479	-7	0.0449	3283	Pass
Violet	A	V500	111	47.97	489	-7	0.0184	2281	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.24	-31.87	1.09
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.50
Red	15.91	13.60 - 20.40	N/A	N/A	29.06	29.44	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9881

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments